

## **Big Eddy Synopsis**

### **Background**

This is a replacement project driven by L0380, a Northern Wasco PUD interconnection request, which raised the priority to replace the station service components. Quenett Creek was energized to meet the customer's schedule while not addressing the station service at Big Eddy. It is important to realize that these units being replaced are not the worst units on the system but are targeted due to the reliability impact and safety issues created by L0380.

L0380 requirements remaining include a Bank 7 addition, required for reliability, and station service upgrade and expansion required for health and support for new infrastructure including the Bank 7 and Relay House 3 additions.

The Big Eddy 13.2 kV AC Station Service provides all the AC Station Service for Big Eddy 230 kV yard and Big Eddy 115 kV yard. The issue is that the entire system is beyond its service life and can no longer be supported with aftermarket spare parts nor can electricians safely add to or modify the system. The distribution panels are 60 years old and the needed subcomponents are no longer available for expansion or repair. The Criticality Health and Risk ratings on the Station Service components are in the 9/10 range and need to be brought down to 1 for reliability and safe operations.